

Delaware State Clearinghouse Committee Agenda

March 31, 2015

<i>Item</i>	<i>SAI#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business									
1	2115	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Delaware Strategic Prevention Framework - Partnership for Success	\$2,016,000	\$0	\$0	0.00	0.00	0.00
2	2184	Department of Health and Social Services, Public Health, Community Health	Public Health Emergency Preparedness - Supplemental for Ebola Preparedness and Response	\$1,287,284	\$0	\$0	0.00	0.00	0.00
3	2186	Department of Health and Social Services, Social Services	Delaware Wonder	\$20,850,077	\$0	\$0	0.00	0.00	0.00
4	2166	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	Children in Nature Chesapeake Bay Watershed	\$238,012	\$10,000	\$0	0.00	0.00	0.00
5	2172	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Delaware National Estuarine Research Reserve - Land Acquisition for Blackbird Creek Reserve	\$546,005	\$546,005	\$0	0.06	0.00	0.00
6	2173	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Delaware National Estuarine Research Reserve - Construction of Exhibits Phase II	\$230,000	\$98,572	\$0	0.00	0.00	0.00
7	2180	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Thousand Acre Marsh Wetland Protection Project	\$731,399	\$656,760	\$0	0.00	0.00	0.00
8	2015-01-26-02	Delaware Technical and Community College, Office of the President	Trade Adjustment Assistance Community College and Career Training	\$2,394,110	\$0	\$0	1.00	0.00	0.00
Continued									
9	2171	Executive, Criminal Justice, Criminal Justice Council	John R. Justice	\$30,000	\$0	\$0	0.00	0.00	0.00
10	2182	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	State Health Insurance Assistance Program	\$200,622	\$0	\$0	2.00	0.00	0.00
11	2167	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families - Contingency	\$3,206,499	\$3,206,499	\$0	0.00	0.00	0.00
12	2183	Department of Health and Social Services, Public Health, Community Health	Pregnancy Risk Assessment Monitoring System	\$120,505	\$144,348	\$0	1.66	0.74	0.00
13	2013-06-20-05 Amendment	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Nutrition Education	\$599,117	\$0	\$0	0.00	0.00	0.00
14	2174	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware Sciaenid Research	\$10,263	\$3,421	\$0	0.08	0.02	0.00
15	2176	Department of Natural Resources and Environmental Control, Office of the Secretary, Information Technology	Information Exchange Network Grant	\$291,000	\$0	\$0	0.00	0.00	0.00
16	2153	Department of Agriculture, Animal Health	Umbrella National Surveillance	\$205,618	\$0	\$0	0.00	0.00	0.00
17	2038 Amendment	Department of Agriculture, Agriculture, Plant Industries	Emerald Ash Borer Survey	\$2,430	\$0	\$0	0.00	0.00	0.00

Higher Education

1	2015-02-28-01	HE/University of Delaware	Bakhtin by and for Educators	\$0	\$0	\$50,000
2	2015-02-28-02	HE/University of Delaware	Collaborative Research: The Effect of Sand Fraction and Event Evolution on Fine-Sediment Transport and the Deposition Record in Wave-Supported Mud Flows	\$0	\$0	\$178,190
3	2015-02-28-03	HE/University of Delaware	USGS WRC Shober Intern 15	\$12,890	\$0	\$0
4	2015-02-28-04	HE/University of Delaware	Circulating Ossified Particles, Blood Vessel Ossification and Blood Cell Counts	\$1,250,000	\$0	\$0
5	2015-02-28-05	HE/University of Delaware	Protection Provided by Multivalent Infectious Bronchitis Virus Vaccines Against Challenge with Current U.S. Strains and Variants	\$0	\$0	\$62,590
6	2015-02-28-06	HE/University of Delaware	BIAD Soccer Kaminski 15	\$0	\$0	\$990
7	2015-02-28-07	HE/University of Delaware	RII Track-2 FEC: An Algae-based Platform for the Production of Food and Fuel from Waste Water and Carbon Dioxide	\$0	\$0	\$730,341
8	2015-02-28-08	HE/University of Delaware	Harnessing Endogenous and Exogenous Cues to Deliver Immunotherapies to Melanoma	\$1,623,936	\$0	\$0
9	2015-02-28-09	HE/University of Delaware	Assessment of Probiotics on Production Performance and Environmental Footprint of Broilers	\$0	\$0	\$52,038
10	2015-02-28-10	HE/University of Delaware	Soft Materials Research Center	\$0	\$0	\$118,915
11	2015-02-28-11	HE/University of Delaware	Improving Mobility After Chronic Stroke With Non-Invasive Brain Stimulation	\$275,000	\$0	\$0
12	2015-02-28-12	HE/University of Delaware	Transition Metal Catalyzed Reactions for the Installation of Heteroatoms into Organic Molecules	\$0	\$0	\$75,000
13	2015-02-28-13	HE/University of Delaware	Improving Rehabilitation After Total Hip Arthroplasty	\$275,000	\$0	\$0
14	2015-02-28-14	HE/University of Delaware	Evaluating the Efficacy of Using Translocation and Parent-Reared Chicks to Recover BobwhitePopulations in Mid-Atlantic States	\$0	\$0	\$101,635
15	2015-02-28-15	HE/University of Delaware	Evaluating Risks of Autism Based on Gut Microbiome Composition	\$0	\$0	\$50,440
16	2015-02-28-16	HE/University of Delaware	Changes in Post-Stroke Propulsive Gait Dynamics as a Result of Handrail Use During Treadmill Walking	\$100,000	\$0	\$0
17	2015-02-28-17	HE/University of Delaware	Production of Renewable Acrylic Acid via Catalytic Dehydration of Lactic Acid: Mechanistic Studies and Catalysts Design	\$6,000	\$0	\$0
18	2015-02-28-18	HE/University of Delaware	Probing Spin Currents Using Spatially and Temporally Resolved Soft X-ray	\$315,378	\$0	\$0
19	2015-02-28-19	HE/University of Delaware	Resin Infusible Carbon Fiber Unidirectional Broadgoods for Fatigue Dominated Applications	\$0	\$0	\$31,730
20	2015-02-28-20	HE/University of Delaware	Kroll: Spatial Patterns of Ecosystem Quality, Public Perception and Willingness to Pay: Advancing Techniques for Non-Use Valuation	\$105,000	\$0	\$0
21	2015-02-28-21	HE/University of Delaware	Void Removal from Dual Scale Fibrous Reinforcement during Composite Processing	\$226,717	\$0	\$0

New Business requires the attendance of the Contact Person

Available on the internet at: <http://budget.delaware.gov/clearinghouse/abm.shtml>

22	2015-02-28-22	HE/University of Delaware	Impacts of Manganese Oxides and Arsenic on Soil Organic Carbon Reactivity	\$149,996	\$0	\$0
23	2015-02-28-23	HE/University of Delaware	Project PROPEL - Preceptor Relationships Organized Providing Exceptional Learning	\$2,013,238	\$0	\$0
24	2015-02-28-24	HE/University of Delaware	External inputs vs. internal processes in controlling CO2 gas exchange and metabolic balance in the Delaware estuary	\$514,185	\$0	\$0
25	2015-02-28-25	HE/University of Delaware	Dietary Sodium, Vascular Function, and Chronic Kidney Disease	\$289,518	\$0	\$0
26	2015-02-28-26	HE/University of Delaware	Electro-Optically Guided RADAR Imaging	\$0	\$0	\$129,026
27	2015-02-28-27	HE/University of Delaware	Collaborative Proposal: Multi-Perspective Evacuation Performance Measurement	\$135,749	\$0	\$0
28	2015-02-28-28	HE/University of Delaware	Measuring fNIRS-Based Brain Activity During Interpersonal Synchrony in ASD	\$0	\$0	\$434,278
29	2015-02-28-29	HE/University of Delaware	NIST Surf 2015 - Gaithersburg	\$19,000	\$0	\$0
30	2015-02-28-30	HE/University of Delaware	NIST Surf 2015 - Boulder	\$19,000	\$0	\$0
31	2015-02-28-31	HE/University of Delaware	Collaborative Research: Combined Experimental/Numerical Investigation of Spray Generation, Transport, and Momentum Flux Modification	\$329,948	\$0	\$0
32	2015-02-28-32	HE/University of Delaware	Anaerobic Sulfide Oxidation in the Stratified Chesapeake Bay	\$520,453	\$0	\$0
33	2015-02-28-33	HE/University of Delaware	Development of Molecular Simulation and Scattering Techniques for Probing Solvent Interactions in Block Polymer Thin Films During Solvent Vapor Annealing	\$259,503	\$0	\$0
34	2015-02-28-34	HE/University of Delaware	USDA Eli Seyfferth 15	\$149,310	\$0	\$0
35	2015-02-28-35	HE/University of Delaware	A 3D Photonic Sensor-Integrated Tumor Model for Force Mapping	\$323,269	\$0	\$0
36	2015-02-28-36	HE/University of Delaware	Temporary Crack Repairs for Aluminum Structures on Surface Ships	\$0	\$0	\$16,026
37	2015-02-28-37	HE/University of Delaware	Resin Infusible Carbon Fiber Unidirectional Broadgoods for Fatigue Dominated Applications	\$0	\$0	\$19,195
38	2015-02-28-38	HE/University of Delaware	Kessler Foundation Signature Employment Grants to Support Non-Traditional Solutions That Increase Employment Outcomes for Individuals with Disabilities	\$0	\$0	\$400,904
39	2015-02-28-39	HE/University of Delaware	Do Head Accelerations Differ between Player Position, Type of Impact, and Location of Impact in NCAA Division-I Women's Soccer Players?	\$0	\$0	\$1,000
40	2015-02-28-40	HE/University of Delaware	Doctoral Dissertation Research: River Network Fragmentation, Climate Change and Perceptions of Surface Water Sustainability in the Central Great Plains, USA	\$7,820	\$0	\$0
41	2015-02-28-41	HE/University of Delaware	Photon Ratchet: A New Paradigm for Photon Upconversion	\$0	\$0	\$1,000,002
42	2015-02-28-42	HE/University of Delaware	Collaborative Proposal: Development, Experimental Validation and Case Studies for the Next Generation of Landslide Tsunami Models for Coastal Hazard Mitigation	\$167,074	\$0	\$0
43	2015-02-28-43	HE/University of Delaware	Clinically Applicable Concussion Dual Task Assessments	\$0	\$0	\$1,000

44	2015-02-28-44	HE/University of Delaware	Effects of Fatigue and Injury on the King Devick Test Across a Field Hockey Season	\$0	\$0	\$1,000
45	2015-02-28-45	HE/University of Delaware	Understanding the Stress-Strain Behavior of Cement-Treated Clays: A Micro-to-Macro Approach	\$359,173	\$0	\$0
46	2015-02-28-46	HE/University of Delaware	Collaborative Research: Long Timescale Constitutive Response of Hydrogels	\$342,718	\$0	\$0
47	2015-02-28-47	HE/University of Delaware	Cellular Regulation of TRPV4 Channel Gating	\$447,165	\$0	\$0
48	2015-02-28-48	HE/University of Delaware	RII Track-2 FEC: Clean Energy to Food Security Nexus in Plant Nutrient Life Cycle	\$0	\$0	\$1,067,869
49	2015-02-28-49	HE/University of Delaware	Develop a Business Plan Supporting Implementation of a Water Fund to Restore Brandywine-Christina Watershed to a Fishable, Swimmable, Potable Status	\$0	\$0	\$203,624
50	2015-02-28-50	HE/University of Delaware	Safeguarding Food Security by Optimizing Rhizosphere Processes that Limit Green Water Availability and Productive Flow	\$0	\$0	\$388,915
51	2015-02-28-51	HE/University of Delaware	The Recent North Atlantic Subsurface Warming and its Implication on the Global Surface Warming Hiatus	\$318,777	\$0	\$0
52	2015-02-28-52	HE/University of Delaware	Mechanical and Genetic Regulation of Multiscale Smooth Muscle Contractions that Drive Airway Morphogenesis	\$213,408	\$0	\$0
53	2015-02-28-53	HE/University of Delaware	Sensing Mechanisms in Composite Sensor Materials: Effect of Surface Function on the Sensing Mechanisms	\$333,550	\$0	\$0
54	2015-02-28-54	HE/University of Delaware	Hydrogeology Support Lab (Core D)	\$0	\$0	\$21,017
55	2015-02-28-55	HE/University of Delaware	Using Mobile Devices to Study Daily Diabetes Management in Marital Context	\$318,483	\$0	\$0
56	2015-02-28-56	HE/University of Delaware	Hypoxia Driven Changes in Phosphorus Cycling in the Chesapeake Bay	\$265,608	\$0	\$0
57	2015-02-28-57	HE/University of Delaware	Adhesion-Derived Biomimetic Patterns for Lineage-Specific Stem Cell Differentiation	\$278,708	\$0	\$0
58	2015-02-28-58	HE/University of Delaware	JPMC PHD Research CHEN Year 1	\$0	\$0	\$200,000
59	2015-02-28-59	HE/University of Delaware	Lightweight Radiation Shielding for Transportable Rigid Wall Shelters	\$0	\$0	\$29,488
60	2015-02-28-60	HE/University of Delaware	2015 4-H Healthy Living Grant Supported by Con Agra Foundation	\$0	\$0	\$135,000
61	2015-02-28-61	HE/University of Delaware	Brain Activity During Joint Loading in ACL Patients	\$0	\$0	\$2,500
62	2015-02-28-62	HE/University of Delaware	NASA National Space Grant College and Fellowship Program	\$841,672	\$0	\$0
63	2015-02-28-63	HE/University of Delaware	RII Track-2 FEC: Center for Advanced Renewable Materials (CARMA)	\$5,084,642	\$0	\$0
64	2015-02-28-64	HE/University of Delaware	NSF VEC: Small: Collaborative Research: Joint Compressive Spectral Imaging and 3D Ranging Sensing Using a Commodity Time-Of-Flight Range Sensor Arce	\$206,464	\$0	\$0
65	2015-02-28-65	HE/University of Delaware	Using Electric Vehicles to Balance Fluctuations in Offshore Wind Generation: A Realistic Experiment and an Implementation Model for the US East Coast	\$0	\$0	\$1,236,863
66	2015-02-28-66	HE/University of Delaware	Extreme Weather Impacts on Run-off Carbon and Drinking Water Utilities: Assessment for Watersheds Across the Northeast and the Mid-Atlantic	\$249,999	\$0	\$0

67	2015-02-28-67	HE/University of Delaware	Integrated Broadband Optical Links	\$0	\$0	\$28,970
68	2015-02-28-68	HE/University of Delaware	Diamond Challenge Pakistan: Bringing State of the Art Entrepreneurship Education to the Youth of Pakistan	\$164,018	\$0	\$0
69	2015-02-28-69	HE/University of Delaware	Supplement: A Platform for CHO Biomanufacturing Systems Biology	\$107,758	\$0	\$0
70	2015-02-28-70	HE/University of Delaware	EAGER: Enabling Faster Genome Editing for Advanced Biomanufacturing Applications	\$201,419	\$0	\$0
71	2015-02-28-71	HE/University of Delaware	Microdroplet Characterization of Resin/Glass Fiber Adhesion	\$0	\$0	\$16,025
72	2015-02-28-72	HE/University of Delaware	In-Sit Surface Analysis Combining Ambient Pressure X-ray Photoelectron Spectroscopy with Surface Fluorescence and Online Mass Spectrometry	\$0	\$0	\$40,000
73	2015-02-28-73	HE/University of Delaware	Narrowband LWIR Filters	\$30,288	\$0	\$0
74	2015-02-28-74	HE/University of Delaware	VEC: Small: Collaborative Research: Light-Field-Driven Visual Inference	\$210,336	\$0	\$0
75	2015-02-28-75	HE/University of Delaware	DOD MURI: Can Fractional Order Models Do More Justice to Anomalous Behavior than Familiar Classical Order Models Do ?	\$195,396	\$0	\$0
76	2015-02-28-76	HE/University of Delaware	Novel Multi-scale/Multi-physics Integrated Tool for the Prediction of Manufacturing-Induced Defects in Autoclave Composite Airframe Parts	\$0	\$0	\$28,846
77	2015-02-28-77	HE/University of Delaware	Low-Travel Isolated Flooring System	\$0	\$0	\$23,718
78	2015-02-28-78	HE/University of Delaware	Resin Infusible Carbon Fiber Unidirectional Broadgoods for Fatigue Dominated Applications	\$0	\$0	\$31,987
79	2015-02-28-79	HE/University of Delaware	An Economic Model of Recreational Fishing on the Delaware Bay: NMFS/Sea Grant Marine Resource Economics Graduate Fellowship Yosef Shirazi	\$72,500	\$0	\$0
80	2015-02-28-80	HE/University of Delaware	Supplement to: The Influence of Capsule Composition on Lens Biology	\$196,944	\$0	\$0
81	2015-02-28-81	HE/University of Delaware	A Multi-Physics Nano-Engineered NDE Technique for Organic Matrix Composite Leading Edges	\$0	\$0	\$33,429
82	2015-02-28-82	HE/University of Delaware	Real-time Monitoring of Composite Components Using Carbon Nanotube Networks for Zero-Maintenance Aircraft Structures	\$0	\$0	\$33,626
83	2015-02-28-83	HE/University of Delaware	Optimum Design of Nano-Engineered Conductive Networks and Their Seams for Parachute Applications	\$0	\$0	\$33,429
84	2015-02-28-84	HE/University of Delaware	NCC 4-H/Youth Development Educator County Fund	\$0	\$0	\$84,000
85	2015-02-28-85	HE/University of Delaware	Compact Passive Millimeter Wave Sensor for GPS-Denied Navigation	\$0	\$0	\$33,165
86	2015-02-28-86	HE/University of Delaware	Sustainable Textile and Apparel Education for College Students and theGeneral Public in Delaware	\$60,265	\$0	\$0
87	2015-02-28-87	HE/University of Delaware	Design and Fabrication of Highly Linear Electro-Optic Modulators	\$0	\$0	\$4,808
88	2015-02-28-88	HE/University of Delaware	CyberSEES: Type 2: Collaborative Research: A Stakeholder-Engaging Cyber-Civil Infrastructure Management Methodology	\$529,204	\$0	\$0
89	2015-02-28-89	HE/University of Delaware	Solar Fuel Production from Abundant Sources	\$347,340	\$0	\$0

90	2015-02-28-90	HE/University of Delaware	REU Supplement to DMR-1207041: Combined Solvent Annealing and Shear Alignment of Tapered Block Polymers Films to Generate Nanoscale Networks	\$5,000	\$0	\$0
91	2015-02-28-91	HE/University of Delaware	Iowa/Army Balanced Composite Substrate, Kiamilev	\$0	\$0	\$121,366
92	2015-02-28-92	HE/University of Delaware	Equipment Supplement for 1R01GM102358	\$106,005	\$0	\$0
93	2015-02-28-93	HE/University of Delaware	Sensitizing Cancer to Chemotherapy with Gli1 Inhibitory Nanoparticles	\$281,512	\$0	\$0
94	2015-02-28-94	HE/University of Delaware	Oviductal Exosomes: Role in Sperm Function and the Health of the Offspring	\$1,250,000	\$0	\$0
95	2015-02-28-95	HE/University of Delaware	Electro-Optically Guided Radar Imaging	\$0	\$0	\$129,026
96	2015-02-28-96	HE/University of Delaware	Reducing the Incidence of Secondary Knee Osteoarthritis - The Risk-OA Trial	\$451,508	\$0	\$0
97	2015-02-28-97	HE/University of Delaware	UD I/UCRC: Addition of UD as a New Site within the Center for Pharmaceutical Development	\$208,333	\$0	\$0
98	2015-02-28-98	HE/University of Delaware	Developing a Detailed Alkylation Model	\$0	\$0	\$295,107
99	2015-02-28-99	HE/University of Delaware	Magic Angle Spinning NMR of Microtubule-Associated Protein Assemblies	\$1,951,405	\$0	\$0
100	2015-03-01-01	HE/University of Delaware	Equipment Supplement for 1R01GM111820-01	\$106,005	\$0	\$0
101	2015-03-01-02	HE/University of Delaware	Rapid Deployment of Heterogeneous Robot Teams: Abstractions, Algorithms and Experimentation	\$0	\$0	\$74,871
102	2015-03-01-03	HE/University of Delaware	Structural Health Monitoring of Bridges Using Eulerian-based Virtual Visual Sensors from Digital Videos	\$0	\$0	\$96,717
103	2015-03-01-04	HE/University of Delaware	Promoting Ethical STEM Practices through Educational Outreach	\$0	\$0	\$89,745
104	2015-03-01-05	HE/University of Delaware	A Hydrogel-Based Cellular Model of the Human Vocal Fold	\$2,588,778	\$0	\$0
105	2015-03-01-06	HE/University of Delaware	An Investigation of Wave-Driven Upper Ocean Turbulence: Influence of Non-Equilibrium Waves	\$261,382	\$0	\$0
106	2015-03-01-07	HE/University of Delaware	Measurement and Enhancement of Abiotic Attenuation Processes in Groundwater	\$0	\$0	\$136,114
107	2015-03-01-08	HE/University of Delaware	Migration of Petrographic Thin Section and Radiocarbon Data Bases to the Internet	\$11,500	\$0	\$0
108	2015-03-01-09	HE/University of Delaware	Information Metrics for Reliable Uncertainty Quantification in Materials Design	\$0	\$0	\$754,425
109	2015-03-01-10	HE/University of Delaware	Impact of Neonatal Infection on the Development of Hippocampal-Dependent Learning	\$1,250,000	\$0	\$0
110	2015-03-01-11	HE/University of Delaware	Silicon Photonic enabled Reconfigurable High-Data Rate Optical WDM Switching Fabrics for Advanced Digital Networking Applications	\$0	\$0	\$32,443
111	2015-03-01-12	HE/University of Delaware	Managing Sub-Surface Drip Irrigation for Maximum Profitability in Corn	\$0	\$0	\$15,817
112	2015-03-01-13	HE/University of Delaware	Determining the Ideal Irrigation Strategy for High Intensity Corn	\$0	\$0	\$27,395

113	2015-03-01-14	HE/Delaware State University	Advanced Nanomaterials for Energy Research & Applications (ANERA)	\$999,246	\$0	\$0
114	2015-03-01-15	HE/Delaware State University	DSU Internation Research Experience for AMP Students in China (CHINA AMP)	\$26,500	\$0	\$0
115	2015-03-01-16	HE/Delaware State University	Human Resources Intern- Acivity #18	\$2,592	\$0	\$0
116	2015-03-01-17	HE/Delaware State University	Summer Transportation Institute 2015- Activity #19	\$68,270	\$0	\$0
117	2015-03-01-18	HE/Delaware State University	Assessing the Mechanisms of SUMOylation in DAT and alpha-synuclein in Parkinson's disease pathology	\$425,819	\$0	\$0
118	2015-03-01-19	HE/Delaware State University	Education through Innovative Research: Novel Plasmonic Semiconductors	\$98,588	\$0	\$0
119	2015-03-01-20	HE/Delaware State University	Understandinf Epigenomic And Transcriptome Regulation of the Rust Response in Switchgrass	\$1,198,593	\$0	\$0
120	2015-03-01-21	HE/Delaware State University	Drink a Little Think A Lot	\$0	\$0	\$4,913
121	2015-01-31-01 Amendment	HE/Delaware Technical and Community College	INBRE (Idea Network of Biomedical Research Excellence)	\$75,897	\$0	\$0
122	2015-03-01-22	HE/Delaware Technical and Community College	MEP NIST Delaware Manufacturing Extension Partnership	\$500,000	\$0	\$0